

OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id
108
 Component
Hydraulic System
 Fluid
AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

Moderate concentration of visible metal present. All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0120346	---	---
Sample Date	Client Info	19 Mar 2024	---	---
Machine Age	hrs	Client Info	44248	---
Oil Age	hrs	Client Info	0	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>20	4	---
Chromium	ppm	ASTM D5185m	>10	0	---
Nickel	ppm	ASTM D5185m	>10	0	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>10	5	---
Lead	ppm	ASTM D5185m	>10	0	---
Copper	ppm	ASTM D5185m	>75	18	---
Tin	ppm	ASTM D5185m	>10	0	---
Vanadium	ppm	ASTM D5185m		0	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	5	<1	---
Barium	ppm	ASTM D5185m	5	9	---
Molybdenum	ppm	ASTM D5185m	5	5	---
Manganese	ppm	ASTM D5185m		0	---
Magnesium	ppm	ASTM D5185m	25	85	---
Calcium	ppm	ASTM D5185m	200	182	---
Phosphorus	ppm	ASTM D5185m	300	392	---
Zinc	ppm	ASTM D5185m	370	512	---
Sulfur	ppm	ASTM D5185m	2500	1318	---

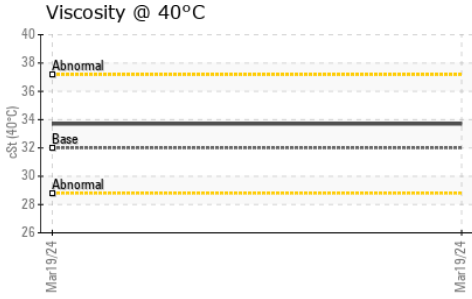
CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	15	---
Sodium	ppm	ASTM D5185m		1	---
Potassium	ppm	ASTM D5185m	>20	0	---

VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	▲ MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---
Free Water	scalar	*Visual		NEG	---

OIL ANALYSIS REPORT



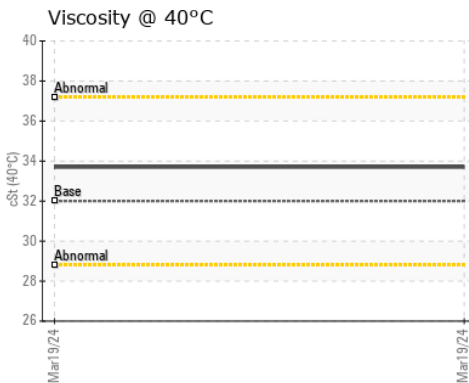
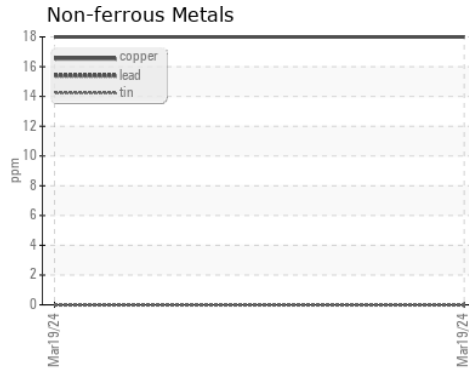
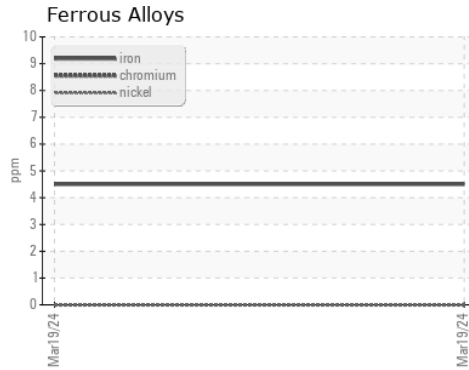
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 32	33.7	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0120346 **Received** : 21 Mar 2024
Lab Number : 06125279 **Tested** : 25 Mar 2024
Unique Number : 10939430 **Diagnosed** : 25 Mar 2024 - Don Baldrige
Test Package : FLEET

COSTYS ENERGY SERVICES
 2329 S MAIN ST
 MANSFIELD, PA
 US 16933
 Contact: CJ MARTIN
 cmartin@costysenergy.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: